

In the Claims

Cancel claims 1 – 11 and 13 – 15 and amend claims 12, 16, 17 and 30 – 32, in the manner shown by the following Current Status of the Claims. Add new claims 39 - 42.

Current Status of all of the Claims

Claims 1 – 11 (canceled)

Claim 12 (currently amended) The screen-printing machine of claim ~~11~~ 40, wherein each said printing screen occupies a predetermined position on the support relative to the exposure unit.

Claims 13 – 15 (canceled)

Claim 16 (currently amended) The screen-printing machine of claim ~~7~~ 43, wherein the common support includes an elongated, horizontal support arm and said exposure unit includes a tubular member having a center passageway that is sized and shaped to receive the support arm, and a clamp for clamping the exposure unit onto the support arm.

Claim 17 (currently amended) A screen-printing machine, comprising:

a main frame including an elongated, horizontal arm;

an exposure unit and a work piece table that are interchangeably mounted in predetermined position on the support arm;

said exposure unit having a light transmitting top, a light below the top, and a frame member bordering the top, said frame member including a plurality of spaced apart locator pins that extend upwardly from said frame member;

a light transmitting, positive image carrier positionable on said light transmitting top, said positive image carrier including a plurality of locator openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the positive image carrier in a predetermined position on the top of the exposure unit; and

a positive image positioned at a predetermined location on the positive image carrier.

Claim 18 (currently amended) The screen-printing machine of claim 17, comprising a second light transmitting positive image carrier positionable on the first light transmitting positive image carrier, said second positive image carrier including a plurality of locator openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the second positive image carrier in a predetermined position on top of the first positive image carrier and the top of the exposure unit; and

a second positive ~~image~~ image positioned at a predetermined location on the second positive image carrier relative to the first positive image on the first positive image carrier.

Claim 19 (original) The screen-printing machine of claim 18, comprising a third positive image carrier positionable on the second positive image carrier, said third positive image carrier including a plurality of locator openings in which the locator pins are received, said locator pins and said locator pin openings serving the position the third positive image carrier in a predetermined position on the second positive image carrier; and

a third positive image positioned at a predetermined location on the third positive image carrier relative to the second positive image on the second positive image carrier and the first positive image on the first positive image carrier.

Claim 20 (original) The screen-printing machine of claim 17, further comprising a printing screen positionable above the positive image carrier and the exposure unit.

Claim 21 (original) The screen-printing machine of claim 18, comprising a first printing screen and a second printing screen selectively positionable, one at a time, over the exposure unit.

Claim 22 (original) The screen-printing machine of claim 20, comprising three printing screens selectively positionable over the exposure unit, one at a time, in sequence.

Claim 23 (original) The screen-printing machine of claim 20, comprising a common support for the exposure unit and the printing screen, so that the printing screen occupies a predetermined position relative to the exposure unit

Claim 24 (original) The screen-printing machine of claim 21, comprising a common support for the first and second printing screens and the exposure unit, wherein each printing screen is positioned at a predetermined position on the exposure unit.

Claim 25 (original) The screen-printing machine of claim 24, comprising a frame and a printing screen support mounted on the frame for rotation about a vertical axis, said printing screen support comprising a connector for each printing screen, wherein each said printing screen is positioned on the support so as to be selectively and individually positioned above the exposure unit by rotation of the support.

Claim 26 (original) The screen-printing machine of claim 25, wherein each said printing screen occupies a predetermined position on the support relative to the exposure unit.

Claim 27 (original) The screen-printing machine of claim 22, comprising a frame and a printing screen support mounted on the frame for rotation about a vertical axis, said printing screen support comprising a connector for each said printing screen, wherein each said printing screen is positioned on the support so as to be selectively and individually positioned above the exposure unit by rotation of the support.

Claim 28 (original) The screen-printing machine of claim 27, wherein each said printing screen occupies a predetermined position on the support relative to the exposure unit.

Claim 29 (original) The screen-printing machine of claim 23, comprising a connector between the common support for the exposure unit and the printing screen which includes a detachable pin and socket connection adapted to allow the printing screen to be detached from the support and then reattached to the support at the same position that it previously occupied.

Claim 30 (currently amended) The screen-printing machine of claim 24 24, comprising a connector between the common support for the exposure unit and the printing screen which includes a detachable pin and socket connection adapted to allow the printing screen to be detached from the support and then reattached to the support at the same position that it the printing screen previously occupied.

Claim 31 (currently amended) The screen-printing machine of claim 22 24, comprising a connector between the common support for the exposure unit and the printing screen which includes a detachable pin and socket connection adapted to allow the printing screen to be detached from the support and then reattached to the support at the same position that it the printing screen previously occupied.

Claim 32 (currently amended) The screen-printing machine of claim 23, wherein the common support includes ~~an~~ said elongated, horizontal support arm and said exposure unit includes a tubular member having a center passageway that is sized and shaped to receive the support arm, and a clamp for clamping the exposure unit onto the support arm.

Claim 33 (withdrawn) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a light below the top and a

frame, including an end and an elongated tubular member having a center passageway opening at said end;

a transverse frame member positioned outwardly from said end;

an elongated arm connected to a central portion of the frame member and extending from the frame member into the center passageway of the tubular member;

a printing screen on the top of the exposure unit, said printing screen having an end member positioned contiguous said frame member; and

a plurality of pins and sockets for connecting the end member of the printing screen to the transverse frame member.

Claim 34 (withdrawn) The screen-printing machine of claim 33, wherein the sockets are the transverse frame member and the pins are carried by the end member of the printing screen frame.

Claim 35 (withdrawn) The screen-printing machine of claim 33, comprising a clamp on said exposure unit for clamping the tubular member in the exposure unit to the elongated arm that extends from the transverse frame member into the tubular member.

Claim 36 (withdrawn) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a plurality of space-apart black lights below the top;

a plurality of spaced-apart white lights below the top;

reflectors below the black lights; and

window openings in the reflectors located above the white lights.

Claim 37 (withdrawn) The screen-printing machine of claim 36, comprising a printing screen positionable on the exposure unit and a switch on the exposure unit

including an operator adapted to be contacted and depressed by the printing screen, to operate the switches and activate the black lights.

Claim 38 (withdrawn) The screen-printing machine of claim 37, wherein the operator when depressed operates the switch to turn off the white lights.

Claim 39 (new) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a light below the top, and a frame member bordering the top, said frame member including a plurality of spaced apart locator pins that extend upwardly from said frame member;

a first light transmitting, positive image carrier positionable on said light transmitting top, said first positive image carrier including a plurality of locator pin openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the positive image carrier in a predetermined position on the top of the exposure unit;

a first positive image positioned at a predetermined location on the first positive image carrier;

a second light transmitting positive image carrier positionable on the first light transmitting positive image carrier, said second positive image carrier including a plurality of locator openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the second positive image carrier in a predetermined position on top of the first positive image carrier and on top of the exposure unit;

a second positive image positioned at a predetermined location on the second positive image carrier relative to the first positive image on the first positive carrier;

a first printing screen and a second printing screen selectively positionable,

one at a time, over the exposure unit;

a common support for the first and second printing screens and the exposure unit, wherein each printing screen is positioned at a predetermined position on the exposure unit; and

wherein said common support includes a frame and a printing screen support mounted on the frame for rotation about a vertical axis, said printing screen support comprising a connector for each printing screen, wherein each said printing screen is positioned on the support so as to be selectively and individually positionable above said exposure unit by rotation of the support.

Claim 40 (new) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a light below the top, and a frame member bordering the top, said frame member including a plurality of spaced apart locator pins that extend upwardly from said frame member;

a light transmitting, positive image carrier positionable on said light transmitting top, said positive image carrier including a plurality of locator pin openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the positive image carrier in a predetermined position on the top of the exposure unit;

a positive image positioned at a predetermined location on the positive image carrier;

three printing screens selectively positionable over the exposure unit, one at a time, in sequence; and

a frame and a printing screen support comprising a connector for each said printing screen, wherein each said printing screen is positioned on the support so as to be selectively and individually positioned above the exposure unit by "rotation of

the support.”

Claim 41 (new) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a light below the top, and a frame member bordering the top, said frame member including a plurality of spaced apart locator pins that extend upwardly from said frame member;

a light transmitting, positive image carrier positionable on said light transmitting top, said positive image carrier including a plurality of locator pin openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the positive image carrier in a predetermined position on the top of the exposure unit;

a positive image positioned at a predetermined location on the positive image carrier;

a first printing screen positionable above the positive image carrier and the exposure unit;

a common support for the exposure unit and the first printing screen;
and

a connector between the common support for the exposure unit and the first printing screen which includes a detachable pin and socket connection adapted to allow the first printing screen to be detached from the support and then reattached to the support at the same position that the printing screen previously occupied.

Claim 42 (new) A screen-printing machine, comprising:

an exposure unit having a light transmitting top, a light below the top, and a frame member bordering the top, said frame member including a plurality of spaced apart locator pins that extend downwardly from said frame member;

a first light transmitting positive image carrier positionable on said light

transmitting top, said first positive image carrier including a plurality of locator pin openings in which the locator pins are received, said locator pins and said locator pin openings serving to position the first positive image carrier in a predetermined position on the top of the exposure unit;

a first positive image position at predetermined location on the first positive image carrier;

a common support for the exposure unit and the printing screen, so that the printing screen occupies a predetermined position relative to the exposure unit;